



# 1999 Toxics Release Inventory

## MASSACHUSETTS

### Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	3,934,233	4,993,046	8,927,279
Air Emissions	3,838,311	4,986,612	8,824,923
Surface Water Discharges	93,926	1,346	95,272
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	0	0	0
Other On-site Land Releases	1,996	5,088	7,084
Off-site Releases (Transfers Off-site to Disposal)*	1,668,582	1,280,344	2,948,926
<b>Total On- and Off-site Releases</b>	<b>5,602,815</b>	<b>6,273,390</b>	<b>11,876,205</b>
Recycled On-site	25,216,035	677,652	25,893,687
Recycled Off-site	23,702,625	217,784	23,920,409
Energy Recovery On-site	6,244,001	0	6,244,001
Energy Recovery Off-site	6,412,974	180,833	6,593,807
Treated On-site	20,245,285	703,830	20,949,115
Treated Off-site**	13,681,402	304,851	13,986,253
Quantity Released On- and Off-site***	5,670,008	6,424,880	12,094,888
<b>Total Production-related Waste Managed</b>	<b>101,172,330</b>	<b>8,509,830</b>	<b>109,682,160</b>
<b>Total Non-production-related Waste Managed</b>	<b>438,497</b>	<b>4,429</b>	<b>442,926</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	22,698,303	238,937	22,937,240
Energy Recovery	6,359,779	240,794	6,600,573
Treatment	4,319,671	369,329	4,689,000
Publicly Owned Treatment Works (POTWs)	9,641,966	30	9,641,996
Metals and Metal Compounds*	26,197	0	26,197
Non-metal TRI Chemicals**	9,615,769	30	9,615,799
Other Off-site Transfers****	10,724	0	10,724
Off-site Transfers to Disposal (not including metals to POTWs)	1,670,295	1,332,789	3,003,084
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>44,700,738</b>	<b>2,181,879</b>	<b>46,882,617</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact:

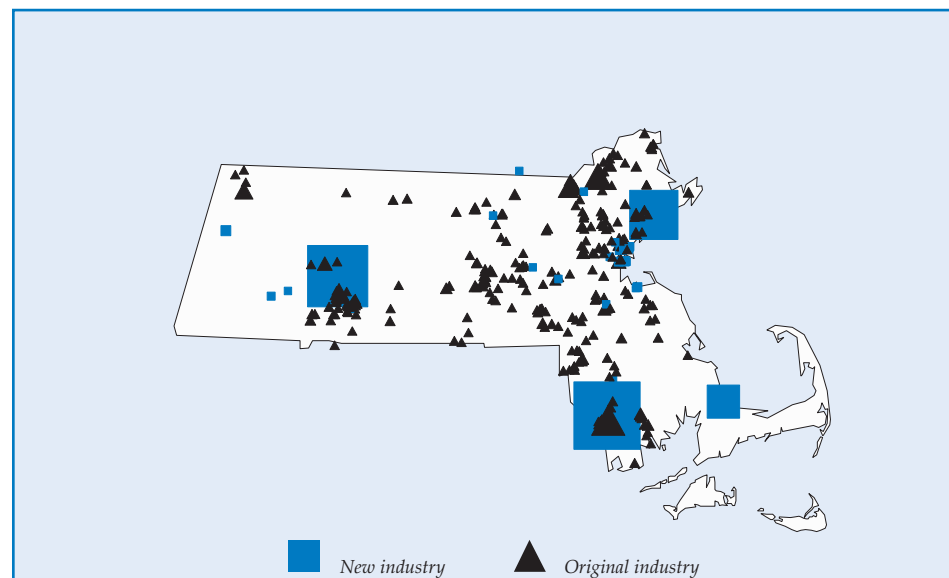
Walter Hope  
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#### EPA Regional Contact:

Dwight Peavey  
(617) 918-1829  
Fax: (617) 918-1810  
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#### To obtain TRI data use

assistance, call TRI User  
Support Service (TRI-US):  
(202) 260-1531  
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Massachusetts. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	6,175,169
Square Miles	7,838
Total Facilities	472
Total Forms	1,464
Form As	197

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	43	42	44
Pounds	5,602,815	6,273,390	11,876,205
<b>National Rank for Total On-site Releases**</b>			
Rank	44	42	44
Pounds	3,934,233	4,993,046	8,927,279
<b>National Rank for Total Releases within State***</b>			
Rank	43	42	45
Pounds	5,502,866	5,598,323	11,101,189
<b>National Rank for Production-related Waste Managed</b>			
Rank	35	43	41
Pounds	101,172,330	8,509,830	109,682,160

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1999 Toxics Release Inventory

# MASSACHUSETTS

## On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-Site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
108-88-3	Toluene	1,258,537	0	0	0	11,021	1,269,558	7,204	5,860	5,161
--	Zinc compounds	6,649	262	0	0	646,757	653,668	13,504	346,974	299,783
78-93-3	Methyl ethyl ketone	372,013	0	0	0	16,715	388,728	36,836	13,782	2,933
67-56-1	Methanol	348,179	0	0	500	4,908	353,587	15,800	0	4,908
79-01-6	Trichloroethylene	269,501	1	0	0	2,460	271,962	67,194	2,460	0
--	Glycol ethers	249,595	0	0	0	2,368	251,963	15,190	1,944	424
71-36-3	n-Butyl alcohol	225,365	0	0	0	0	225,365	0	0	0
7664-41-7	Ammonia	208,177	27	0	426	3,153	211,783	1,700	3,102	51
--	Antimony compounds	1,609	15	0	0	203,376	205,000	1,070	127,878	75,498
--	Lead compounds	956	321	0	0	155,315	156,592	7,923	45,013	110,302

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

## On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-Site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	3,602,326	0	0	0	0	3,602,326	0	0	0
--	Lead compounds	0	5	0	0	590,528	590,533	0	44,619	545,909
7664-93-9	Sulfuric acid	519,249	0	0	0	0	519,249	0	0	0
7664-41-7	Ammonia	468,719	5	0	0	12,000	480,724	0	12,000	0
--	Nickel compounds	24,011	489	0	1,200	187,817	213,517	55,812	55,240	132,577
--	Barium compounds	1,052	84	0	3,245	187,329	191,710	13,309	187,325	4
7664-39-3	Hydrogen fluoride	156,500	0	0	0	0	156,500	0	0	0
1634-04-4	Methyl tert-butyl ether	108,861	161	0	0	4,293	113,315	1,096	1,500	2,793
75-09-2	Dichloromethane	2,543	0	0	0	109,920	112,463	695	0	109,920
--	Zinc compounds	881	136	0	420	74,500	75,937	878	74,500	0

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



# 1999 Toxics Release Inventory

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## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Globe Mfg. Co., Fall River, Bristol	407,007	0	0	0	0	0	407,007	679	64,960
Crown Cork & Seal Co. Inc., Lawrence, Essex	323,000	0	0	0	0	0	323,000	5	250
Ideal Tape Co., Lowell, Middlesex	191,998	0	0	0	0	0	191,998	0	0
Macdermid Graphic Arts, Adams, Berkshire	151,000	0	0	0	0	0	151,000	0	0
Rexam Image Prods., South Hadley, Hampshire	145,543	0	0	0	0	0	145,543	2	2,044
Solutia Inc., Springfield, Hampden	106,959	0	0	0	0	0	106,959	100	0
Perstorp Compounds Inc., Florence, Hampshire	93,344	0	0	0	0	300	93,644	0	0
Barry Controls, Brighton, Suffolk	92,782	27	0	0	0	0	92,809	10,096	0
Duro Finishing, Fall River, Bristol	75,416	0	0	0	0	0	75,416	180	2,752
Bradford Inds. Inc., Lowell, Middlesex	74,400	0	0	0	0	0	74,400	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
USGen New England Inc., Somerset, Bristol	1,253,028	110	0	0	0	2,188	1,255,326	108,630	0
Mt. Tom Station, Holyoke, Hampden	1,124,057	0	0	0	0	2,900	1,126,957	58,215	4
US Gen New England Inc. - Salem Harbor Station, Salem, Essex	872,585	345	0	0	0	0	872,930	244,590	0
Somerset Power L.L.C., Somerset, Bristol	759,775	31	0	0	0	0	759,806	61,500	0
Southern Energy - Canal Station, Sandwich, Barnstable	535,329	313	0	0	0	0	535,642	0	96,631
Mystic Station, Charlestown, Suffolk	84,064	0	0	0	0	0	84,064	0	35,946
Pittsfield Generating Co. L.P., Pittsfield, Berkshire	53,260	0	0	0	0	0	53,260	0	0
Gulf Oil L.P. Chelsea Terminal, Chelsea, Suffolk	44,084	15	0	0	0	0	44,099	1,020	3,520
New Boston Station, South Boston, Suffolk	43,386	0	0	0	0	0	43,386	0	0
Masspower, Indian Orchard, Hampden	38,880	0	0	0	0	0	38,880	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Globe Mfg. Co., Fall River, Bristol	4,831,963	0	0	9,434	0	71,960	407,686	5,321,043	0
Crown Cork & Seal Co. Inc., Lawrence, Essex	0	0	0	0	67,000	7	320,290	387,297	0
American Insulated Wire Northeast Cable, Attleboro, Bristol	1,838	4,344,300	0	6,300	27,000	0	215,790	4,595,228	0
Spalding Sports Worldwide, Chicopee, Hampden	111,270	0	0	0	0	26	207,915	319,211	1
Ideal Tape Co., Lowell, Middlesex	1,450,778	178,623	0	476,139	0	0	191,998	2,297,538	0
Reflek Corp., Fall River, Bristol	0	0	0	0	133,796	0	169,026	302,822	0
Precision Lithograting Corp., South Hadley, Hampshire	0	0	0	0	245,379	0	166,556	411,935	0
Macdermid Graphic Arts, Adams, Berkshire	902,000	0	0	47,000	54,000	0	151,000	1,154,000	1
Rexam Image Prods., South Hadley, Hampshire	0	55,935	0	158,047	3,292,338	2,066	144,998	3,653,384	6
Titleist & Foot-Joy Worldwide: Ball Plant II, North Dartmouth, Bristol	130,000	41	0	1,314	0	147	120,000	251,502	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
USGen New England Inc., Somerset, Bristol	0	0	0	0	0	0	1,363,700	1,363,700	0
Mt. Tom Station, Holyoke, Hampden	0	0	0	0	0	0	1,186,000	1,186,000	0
US Gen New England Inc. - Salem Harbor Station, Salem, Essex	0	670	0	0	0	0	1,117,510	1,118,180	0
Somerset Power L.L.C., Somerset, Bristol	0	0	0	0	703,200	0	820,900	1,524,100	0
Clean Harbors of Braintree Inc., Braintree, Norfolk	338,220	89,471	0	128,745	0	273,872	803,711	1,634,019	5
Southern Energy - Canal Station, Sandwich, Barnstable	0	0	0	0	0	0	632,273	632,273	0
Mystic Station, Charlestown, Suffolk	0	0	0	0	0	0	120,010	120,010	0
Pittsfield Generating Co. L.P., Pittsfield, Berkshire	0	0	0	0	630	30	53,000	53,660	0
Gulf Oil L.P. Chelsea Terminal, Chelsea, Suffolk	0	0	0	0	0	1,735	44,429	46,164	0
New Boston Station, South Boston, Suffolk	0	0	0	0	0	0	43,386	43,386	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.